



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

## NOTICE OF ACCEPTANCE (NOA)

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**Therma-Tru Corporation**  
108 Mutzfeld Road  
Butler, IN 46721

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

### DESCRIPTION: "Benchmark & Legend" Outswing Residential Insulated Steel Door-Impact Resistant

**APPROVAL DOCUMENT:** Drawing No. ED-1701-B, titled "Outswing Residential Insulated Steel Door with Wood Frame", sheets 1 through 5 of 5, prepared, by Rick Wright Consulting, dated 2/21/99, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

### MISSILE IMPACT RATING: Large and Small Missile Impact

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 99-0429.01** and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Raul Rodriguez**.



NOA No 02-0408.04  
Expiration Date: May 30, 2007  
Approval Date: May 09, 2002  
Page 1

## BENCHMARK / LEGEND

OUTSWING RESIDENTIAL INSULATED STEEL DOOR WITH WOOD FRAMES.

## GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO MEET THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR MIAMI-DADE COUNTY.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. IMPACT RESISTANT SHUTTERS NOT REQUIRED
5. DESIGNED PRESSURE RATING SHALL BE AS FOLLOWS:
  - FOR 6'8" WOOD FRAMES; SEE TABLE ON SHEET 2
  - FOR 8'0" WOOD FRAMES; SEE TABLE ON SHEET 3

### RESIDENTIAL INSULATED STEEL DOOR (Common to all frame conditions)

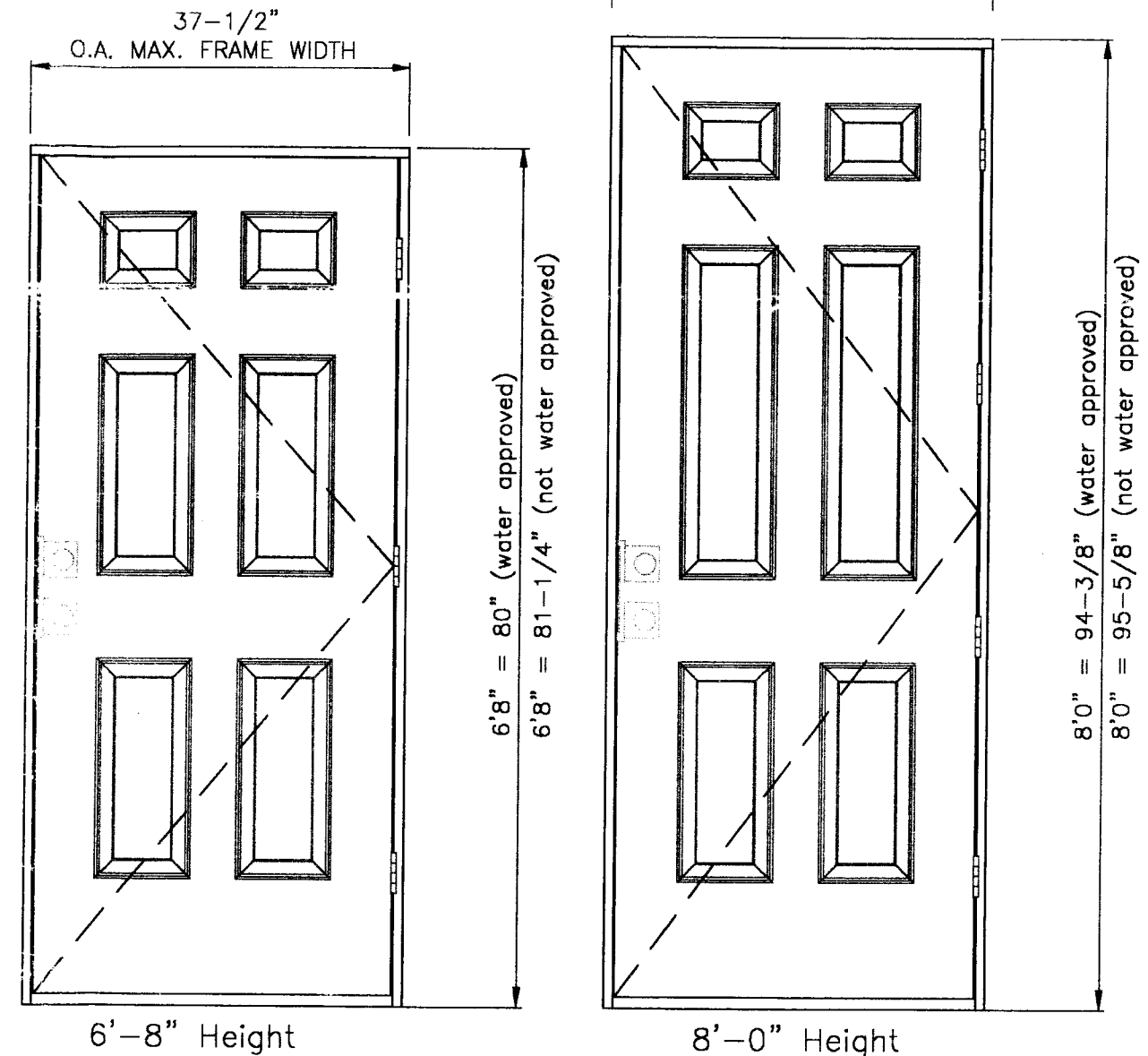
#### Door Leaf Construction:

Face sheets: 24 ga. (0.024") minimum thickness, Galvanized steel A-525 commercial quality - AKDQ per ASTM 620 with yield strength  $F_y(\text{ave.})=23,300$  psi.  
Core design: Polyurethane core, two-parts Isocyanate Resin components foam, with 2.15 lbs. density.

Construction: Flush or embossed type. The vertical edges are extensions of the skin, rolled formed to a mechanical interlock, horizontal edges are welded together at two places each.

### TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	COMMON (GENERAL NOTES, TYPICAL ELEVATION)
2	6'8" WOOD FRAME (BILL OF MATERIAL, ANCHORS, ELEVATION)
3	8'0" WOOD FRAME (BILL OF MATERIAL, ANCHORS, ELEVATION)
4	WOOD FRAME CROSS SECTIONS
5	COMMON (DOOR MODELS, LOCK DETAILS)



## COLONIAL 6 PANEL DOOR VIEWED FROM EXTERIOR

(SHOWN FOR CLARITY OF VIEW)

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 02-0408.04  
Expiration Date 05/30/07  
By *[Signature]*  
Miami Dade Product Control  
Division

APPROVED AS COMPLYING WITH THE

SOUTH FLORIDA BUILDING CODE  
DATE *May 20* 19 *99*  
BY *Manuel Perez*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. *99-0429-01*

*RgW*  
CONSULTING  
(813) 684-3831

DATE: 2/21/99  
SCALE: N.T.S.  
DWG. BY: C.E.C.  
CHK. BY:  
DRAWING NO.:  
ED-1701-B  
SHEET 1 OF 5

PRODUCT:  
OUTSWING RESIDENTIAL  
INSULATED STEEL DOOR  
WITH WOOD FRAME

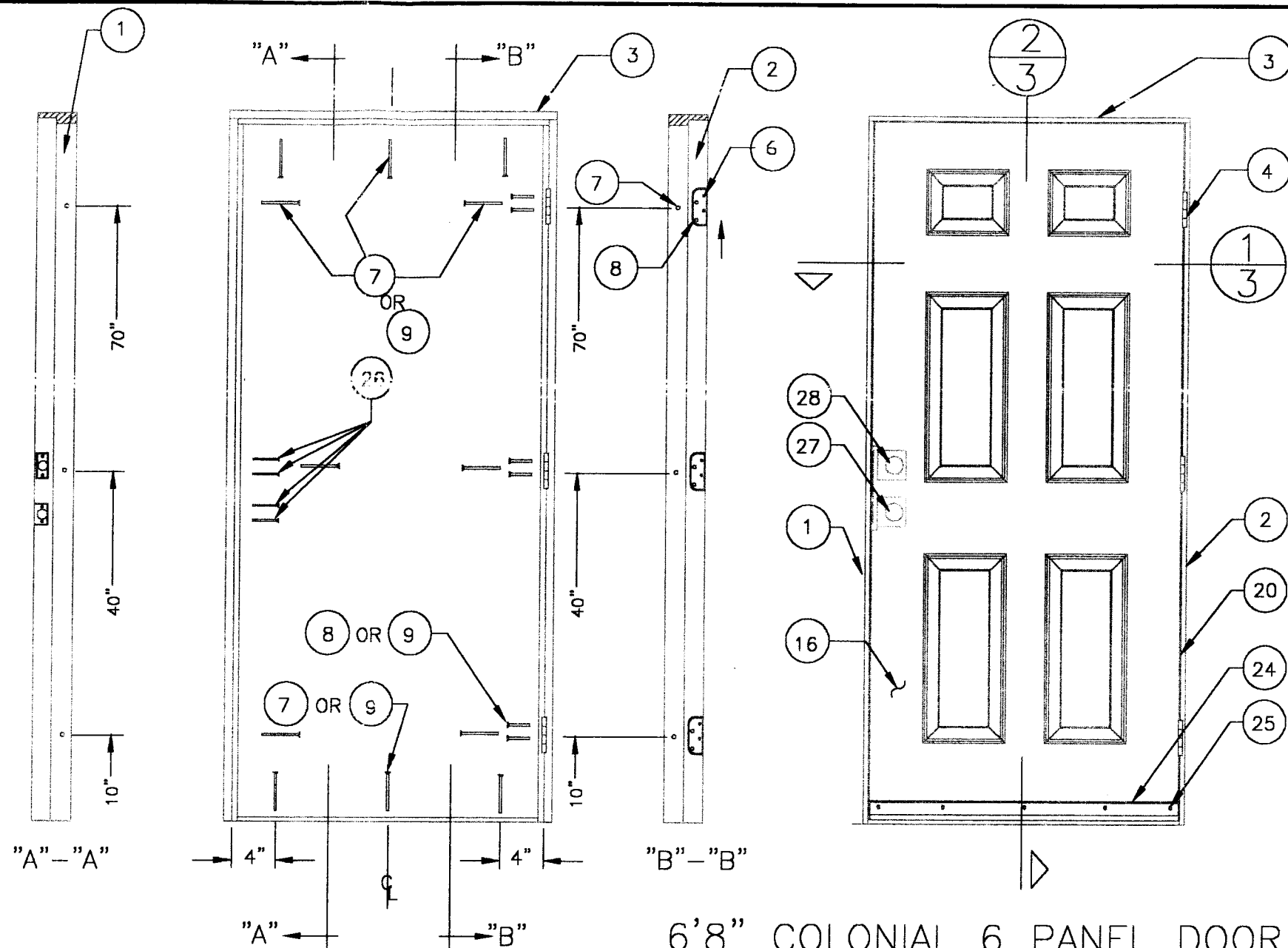
PART OR ASSEMBLY:  
GENERAL NOTES  
AND ELEVATIONS

REVISIONS

NO. DATE BY

GENERAL PRODUCTS CO. INC.  
P.O. BOX 7387  
FREDERICKSBURG, VA 22404  
PH. (540) 898-5700

ITEM	DESCRIPTION
1	Latch jamb (1-1/4" x 4-1/2" Wood Jamb)
2	Hinge jamb (1-1/4" x 4-1/2" Wood Jamb)
3	Head jamb (1-1/4" x 4-1/2" Wood Jamb)
4	Benchmark 4" x 4" butt hinges 12ga.(.097") C.R steel
6	#10-24 x 5/8" PFH wood screw (hinge to frame)
7	#10-24 x 3" PFH wood screw
8	#10 x 2-1/2" PFH wood screw
9	3/16" tapcon (1-1/4" into masonry)
10	Saddle (barrier free) threshold 1/2 x 4 x 1/8" extruded alum.
11	One piece aluminum threshold (proprietary)
11A	Bump face wood capped aluminum threshold
12	Bumper threshold (1-1/4"x 4 5/8 x 5/8" extruded alum.)
13	Compression weatherstrip Schlegel Q-Lon QDS 650
14	Magnetic weatherstrip TPE
16	Face sheet 24ga.(.024 thk.min)galv.steel A-525 Fy=23,000 psi.
17	Hinge steel reinforcement for door (.055" x 1-1/8" x 5-1/4")
18	Corner foamstop
20	Foam fill hole plug
21	Cross bore reinforcement wood block
23	Face plate filler for deadbolt
24	Door sweep (not req'd with bump face threshold)
25	#8 x 1/2" lg. type "AB" PH. SMS.
26	#8 x 2" lg. PFH. wood screw
27	Kwikset titan series lock
27a	Weslock series 1800 lock
27b	Kwikset series 200 DL passage
27c	Kwikset series 400 DL passage
27d	Kwikset 680 lock
28	Kwikset titan series deadbolt
28a	Weslock series 1800 deadbolt
28b	Kwikset 660 deadbolt
28c	Kwikset 660 deadbolt
28d	Kwikset 680 deadbolt
29	Latch screws (see lock manufacturer's instructions)
30	Masonry wall
31	2x wood buck
32	Polyurethane (isocyanate & resin) foam (2.15 pounds density)
33	1/4" max. shim space



### ANCHOR LOCATIONS

6'8" COLONIAL 6 PANEL DOOR  
VIEWED FROM EXTERIOR  
(SHOWN FOR CLARITY OF VIEW)

DESIGN PRESSURE RATING		
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	+47.5 PSF	+76 PSF
NEGATIVE	-50.4 PSF	-76 PSF

APPROVED AS COMPLYING WITH THE

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 02-0408.04  
Expiration Date 05/30/02  
By *[Signature]*  
Miami Dade Product Control  
Division

SOUTH FLORIDA BUILDING CODE  
DATE *May 20* 19 *99*  
BY *Madhub Perera*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. *99-0429.01*

GENERAL PRODUCTS CO. INC.  
P.O. BOX 7387  
FREDERICKSBURG, VA 22404  
PH. (540) 898-5700



PRODUCT:  
OUTSWING RESIDENTIAL  
INSULATED STEEL DOOR  
WITH WOOD FRAME

PART OR ASSEMBLY:  
GENERAL NOTES  
AND ELEVATIONS

NO.	DATE	REVISIONS	BY

*RW*  
CONSULTING  
(813) 684-3831

DATE: 2/21/99

SCALE: N.T.S.

DWG. BY: C.E.C.

CHK. BY:

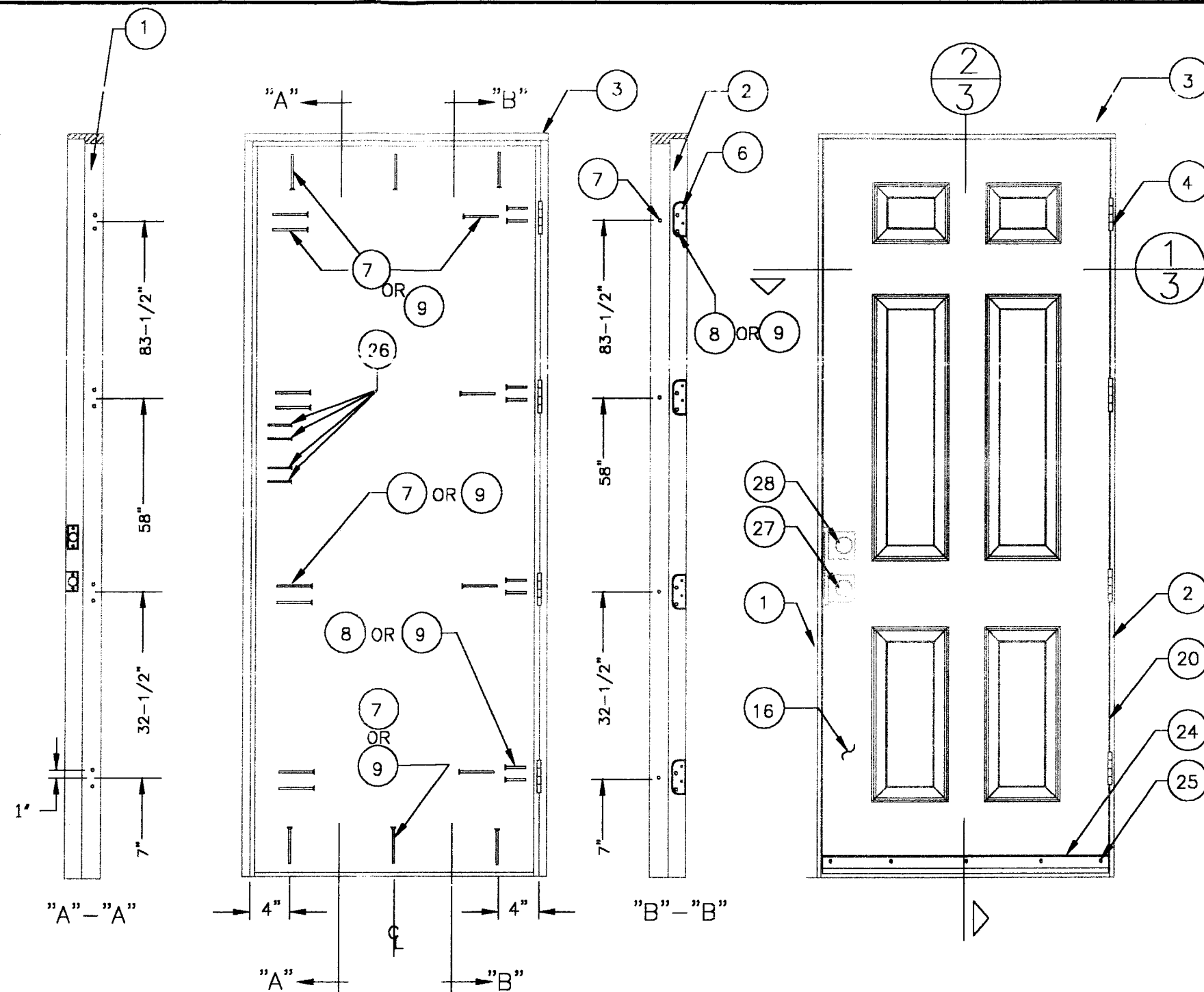
DRAWING NO.:

ED-1701-B

SHEET 2 OF 5

FOR: RESIDENTIAL WOOD FRAME CROSS-SECTION LAYOUT, SEE: ED-1701-B / SHEET 3 OF 5  
FOR: RESIDENTIAL DOOR PREPARATION LAYOUT, SEE: ED-1701-B / SHEET 5 OF 5

ITEM	DESCRIPTION
1	Latch jamb (1-1/4" x 4-1/2" Wood Jamb)
2	Hinge jamb (1-1/4" x 4-1/2" Wood Jamb)
3	Head jamb (1-1/4" x 4-1/2" Wood Jamb)
4	Benchmark 4" x 4" butt hinges 12ga. (.097") C.R steel
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17	Hinge steel reinforcement for door (.055" x 1-1/8" x 5-1/4")
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20	Foam fill hole plug
21	Cross bore reinforcement wood block
23	Face plate filler for deadbolt
24	Door sweep (not req'd with bump face threshold)
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28a	Weslock series 1800 deadbolt
28b	Kwikset 660 deadbolt
28c	Kwikset 660 deadbolt
28d	Kwikset 680 deadbolt
29	Latch screws (see lock manufacturer's instructions)
30	Masonry wall
31	2x wood buck
32	Polyurethane (isocyanate & resin) foam (2.15 pounds density)
33	1/4" max. shim space



ANCHOR LOCATIONS 8'0" COLONIAL 6 PANEL DOOR  
VIEWED FROM EXTERIOR  
(SHOWN FOR CLARITY OF VIEW)

FOR: RESIDENTIAL WOOD FRAME CROSS-SECTION LAYOUT, SEE: ED-1701-B / SHEET 3  
FOR: RESIDENTIAL DOOR PREPARATION LAYOUT, SEE: ED-1701-3 / SHEET 5

DESIGN PRESSURE RATING		
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	+47.5 PSF	+70 PSF
NEGATIVE	-50.4 PSF	-70 PSF

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 02-0408.04  
Expiration Date 05/30/07  
By *[Signature]*  
Miami Dade Product Control  
Division

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE *May 20* 19*99*  
BY *Manuel Perez*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. *99-0429-01*

GENERAL PRODUCTS CO. INC.  
P.O. BOX 7387  
FREDERICKSBURG, VA 22404  
PH. (540) 898-5700

**PRODUCT:**  
OUTSWING RESIDENTIAL  
INSULATED STEEL DOOR  
WITH WOOD FRAME

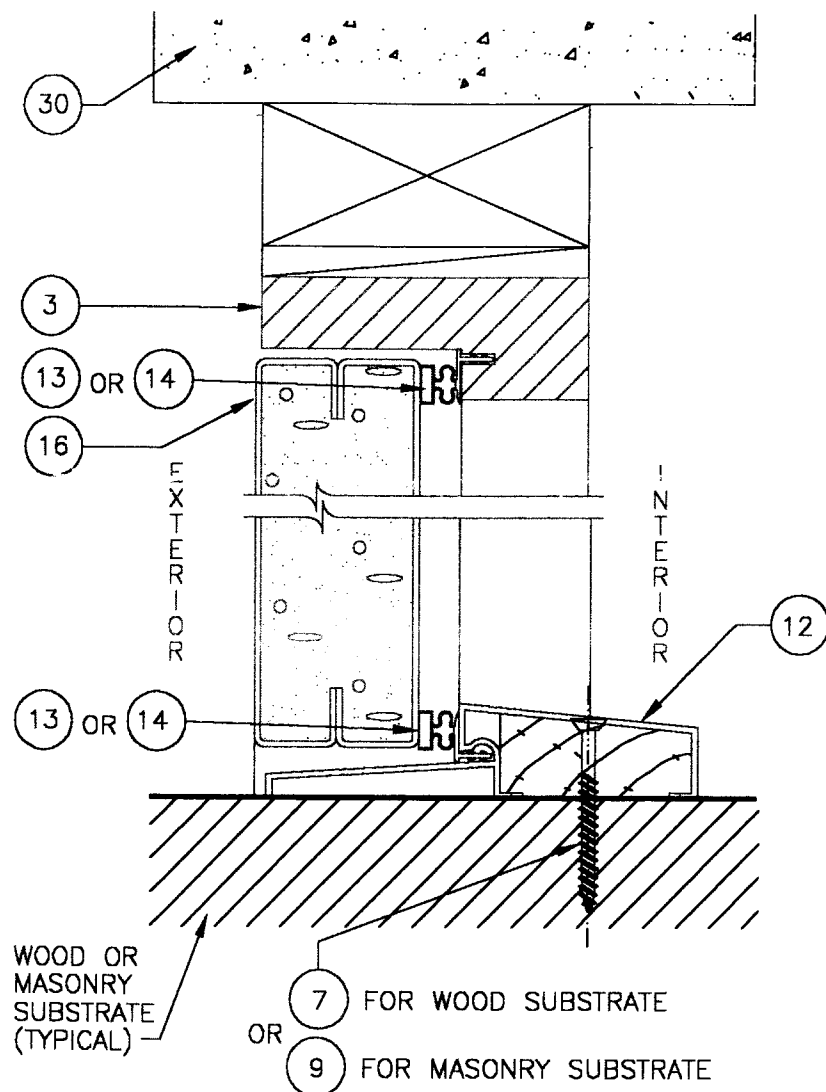
**PART OR ASSEMBLY:**

**GENERAL NOTES  
AND ELEVATIONS**

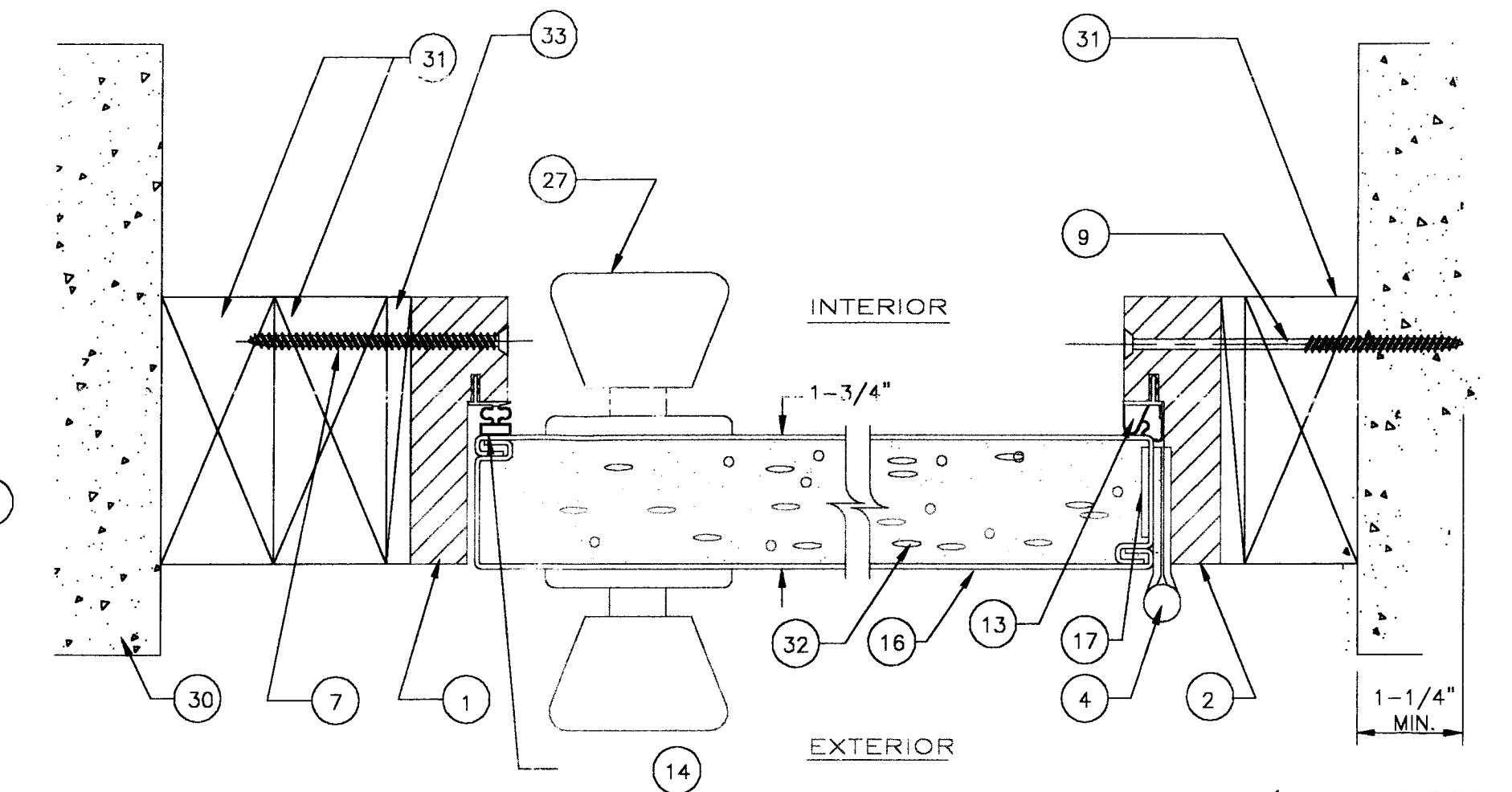
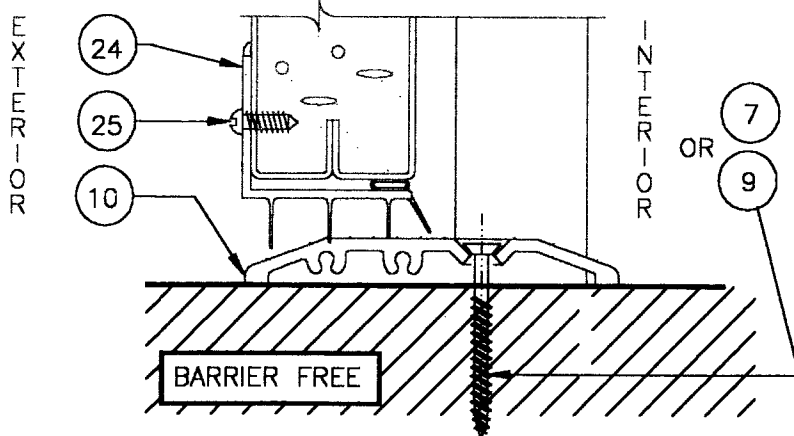
NO.	DATE	BY	REVISIONS

**RW**  
CONSULTING  
(813) 684-3831

DATE: 2/21/99  
SCALE: N.T.S.  
DWG. BY: C.E.C.  
CHK. BY:  
DRAWING NO.: ED-1701-B  
SHEET 3 OF 5



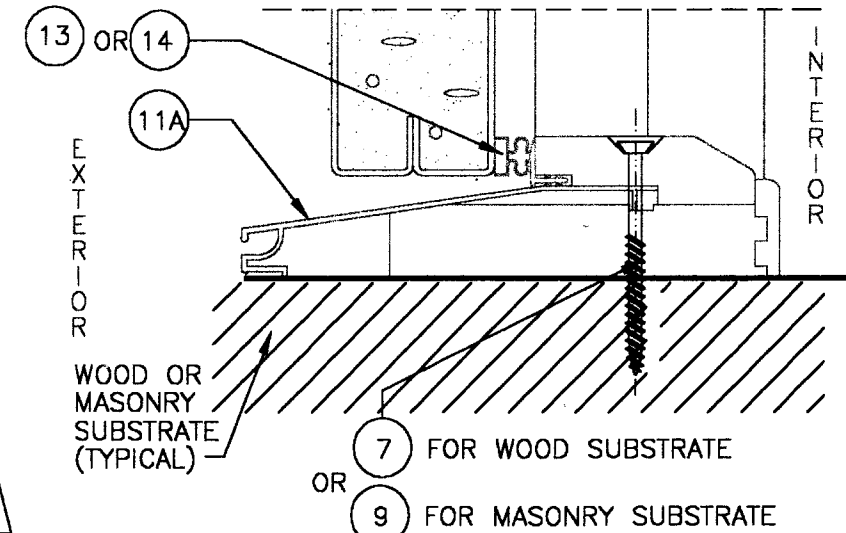
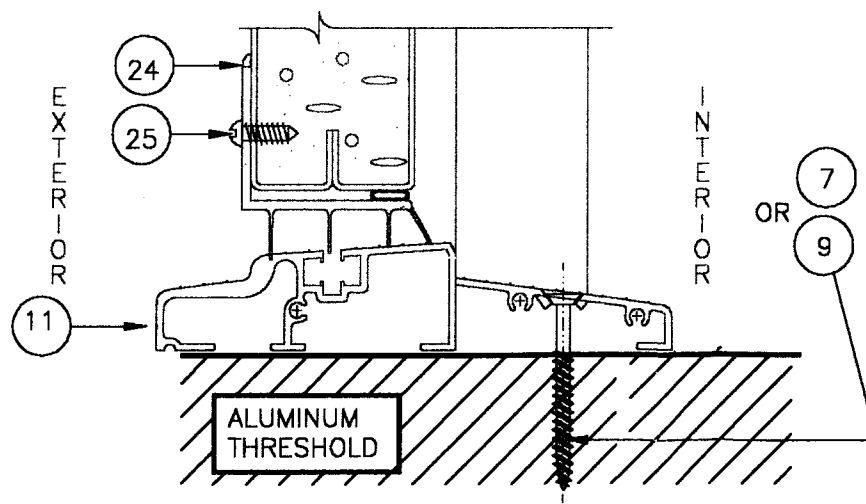
2 VERTICAL CROSS SECTION



(TYP. INSTALLATION INTO 2X WOOD BUCK)

1 HORIZONTAL CROSS SECTION

(TYP. INSTALLATION THRU 2X WOOD BUCK INTO MASONRY)



OPTIONAL THRESHOLDS  
(NOT TO BE USED WHERE WATER REQUIREMENT IS NEEDED)

FOR: RESIDENTIAL WOOD FRAME / SINGLE DOOR ANCHORING LAYOUT, SEE: ED-1701-B / SHEETS 2 & 3 OF 5  
FOR: RESIDENTIAL DOOR PREPARATION LAYOUT, SEE: ED-1701-B / SHEET 5 OF 5

GENERAL PRODUCTS CO. INC.  
P.O. BOX 7387  
FREDERICKSBURG, VA 22404  
PH. (540) 898-5700



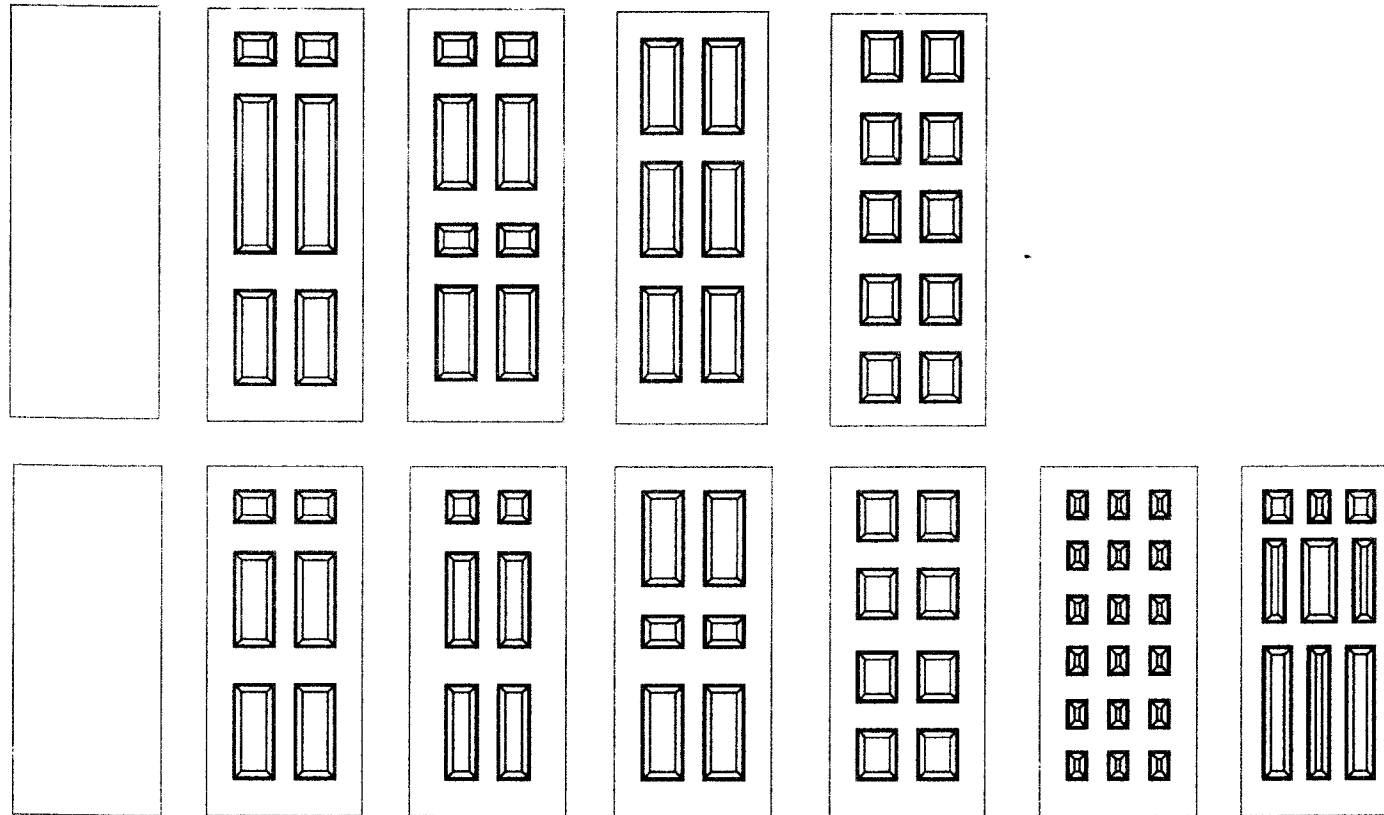
PRODUCT:		OUTSWING RESIDENTIAL INSULATED STEEL DOOR WITH WOOD FRAME	
PART OR ASSEMBLY:		WOOD FRAME CROSS SECTIONS	
NO.	DATE	BY	REVISIONS

**RgW**  
CONSULTING  
(813) 684-3831

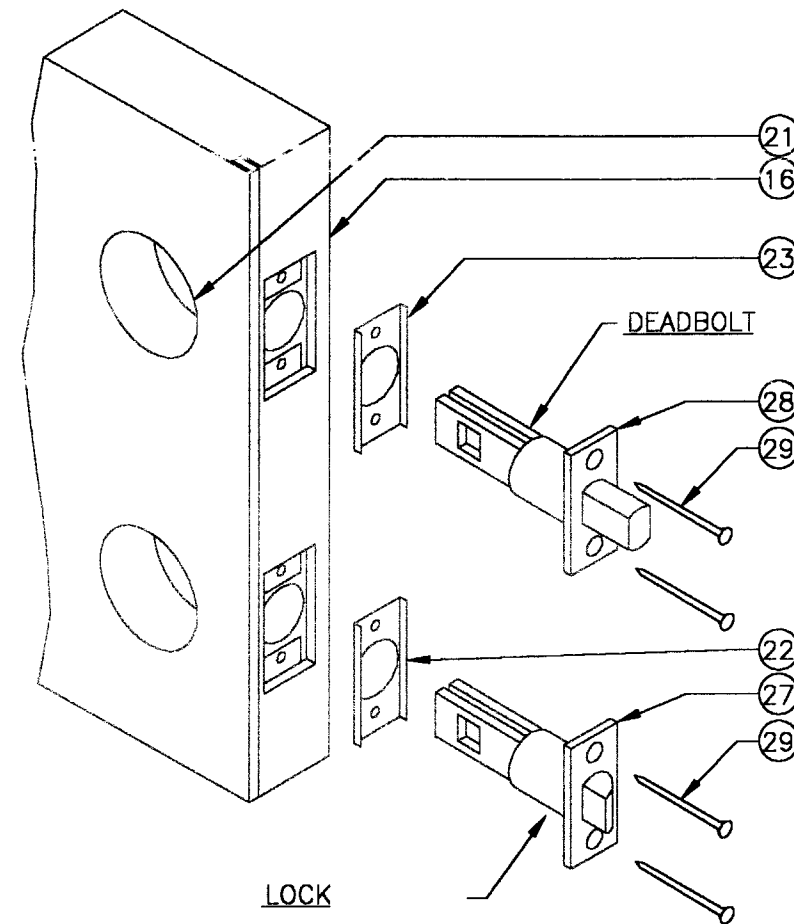
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APPROVED AS COMPLYING WITH THE  
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DATE May 20 19 99  
BY Manuel Perez  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 99-0429-01

DATE: 2/21/99  
SCALE: N.T.S.  
DWG. BY: C.E.C.  
CHK. BY:  
DRAWING NO.: ED-1701-B  
SHEET 4 OF 5



DOOR MODELS



  
 GENERAL PRODUCTS CO. INC.  
 P.O. BOX 7387  
 FREDERICKSBURG, VA 22404  
 PH. (540) 898-5700


PRODUCT:  
 OUTSWING RESIDENTIAL  
 INSULATED STEEL DOOR  
 WITH WOOD FRAME

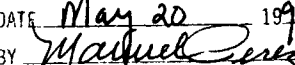
PART OR ASSEMBLY:  
 DOOR SLAB MODELS  
 AND DETAILS

NO.	DATE	REVISIONS	BY

  
 CONSULTING  
 (813) 684-3831

APPROVED AS COMPLYING WITH THE

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 Expiration Date 05/30/02  
 By   
 Miami Dade Product Control  
 Division

SOUTH FLORIDA BUILDING CODE  
 DATE May 20 1999  
 BY   
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 99-0429.01

DATE: 2/21/99  
 SCALE: N.T.S.  
 DWG. BY: C.E.C.  
 CHK. BY:  
 DRAWING NO.:  
 ED-1701-B  
 SHEET 5 OF 5